Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Saturday 15 Jul 2023 until 23:59 on Sunday 16 Jul 2023

Forecast Issued on Friday 14 Jul 2023 at 13:38

Confidence: High for a continuation of the unsettled theme including unseasonably wet and windy conditions Friday and for blustery showers through the weekend. Low confidence in the details surrounding a weather system arriving on Tuesday.

Headline for Saturday 15 Jul 2023: Frequent heavy showers and thunderstorms. Strong and gusty winds.

Mountain weather hazards on Saturday 15 Jul 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Medium Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Partly cloudy (night)	Sunny intervals	Thundery showers	Thundery showers	Thundery showers	Heavy rain showers	Heavy Rain
Precipitation probability							
10%	10%	20%	60%	70%	70%	70%	70%

Forecast for Saturday 15 Jul 2023

Weather: Showers developing through the morning, becoming increasingly widespread. These sharp and blustery showers are likely to be locally heavy and thundery and may merge to give longer spells of rain at times, particularly later in the day. Cloudier through the afternoon and evening. Strong southwesterly winds with a gale risk across higher peaks.

Chance of cloud-free hill tops above 600m: 80% initially, lowering widely mid-morning to 60% and 40% in the west and in association with prolonged heavy rainfall.

Low cloud and visibility: Scattered cloud amounts, becoming broken as showers develop. Bases lowering to around 500-600m, shrouding higher slopes for periods of around an hour at a time. Where showers merge, higher routes may be obscured for several hours. Visibility good, but with frequent deterioration to moderate or poor in heavy showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Mountain Weather Forecast

Forecast for Saturday 15 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	23/34 SW	24/35 S	23/33 S	26/37 S	28/40 S	29/41 SW	28/41 SW	28/41 SW	27/39 SW
300	16/26 S	17/25 S	17/26 S	20/32 S	22/34 S	22/34 S	22/34 SW	22/36 SW	20/32 SW
Valley	10/25 S	11/25 S	12/27 S	16/31 S	16/33 S	16/32 S	16/33 SW	16/33 SW	16/32 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/7	11/7	11/7	12/8	12/8	12/8	11/7	11/6	11/6
300	13/10	13/10	13/10	14/11	15/11	14/11	14/10	13/9	13/10
Valley	13/12	14/12	14/12	16/13	16/13	15/12	14/12	13/11	13/10
Freezing Level*	2400m	2400m	2200m	2100m	2100m	2300m	2500m	2500m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Unseasonably wet and windy conditions continue with strong winds and thunderstorms. Activities best confined to lower slopes.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Fri 14 Jul 2023	3mm	4.2mm	12.8mm

Forecast for Sunday 16 Jul 2023

Weather: Rain and showers continuing into the early hours, mainly across north and northwestern areas. Otherwise a bright and breezy start to the day. Scattered heavy showers breaking out by mid-morning, becoming more frequent by the afternoon. Some thundery downpours with hail possible. Showers largely fading through the evening, with clear spells overnight. Drier in the east.

Maximum wind: West or southwest 20-30 gusting 40mph, easing 15-20mph by evening.

Chance of cloud-free hill tops above 600m: 40% in northern and northwestern parts initially, otherwise 70%. Above 90% later everywhere.

Low cloud and visibility: Low cloud may cover higher routes in the north and northwest initially, largely in association with lingering rain or showers. Cloud bases otherwise expected to remain above summits, lowering briefly to around 600m in heavy or prolonged showers.

Temperature: **Valleys:** 12 Celsius increasing 18 Celsius
At 600m: 10 Celsius increasing 14 Celsius,
Freezing level: Well above summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.